

BRUHAT BANGALORE MAHANAGARA PALIKE

Vidyaranyapura ZONE

Name of Work: Estimate for Construction of Class Rooms at Ramachandrapura in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

		Estimate Cost Rs.						2000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications Specification NO. KBS 4.6.2 Page No. 16/ Item No. 4.28/ PWD SR 2013-14	Sqm							
	Column		12	1.36		4.00	65.28		
			5	0.92		4.00	18.40		
							83.68	223.66	18716.00
	Basic Rate	208.00							
	Lift Charges for First Floor	3.00							
		211.00							
	Area Weightage @ 6%	12.66							
	Total	223.66							
2	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.37/ PWD SR 2013-14	Sqm							
			4	2.50	0.45		4.50		
							4.50	245.92	1107.00
	Basic Rate	229.00							
	Lift Charges for First Floor	3.00							
		232.00							
	Area Weightage @ 6%	13.92							
	Total	245.92							
3	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs , landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.16 / I.4.29) PWD SR 2013-14	Sqm							
	For Lintel		2	17.00		0.20	6.80		
			2	19.40		0.20	7.76		
			8	5.26		0.20	8.42		
	Tie Beam		2	76.01		0.30	45.61		
	Centre Beams		4	5.26		0.45	9.47		
			2	5.26	0.30		3.16		
	Roof Slab		1	6.10	5.30+6.20		35.08		
					2				
			2	6.75	4.80		64.80		
			1	17.00	1.50		25.50		

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Allround Sides		1	19.40	0.20		3.88		
			1	22.15	0.20		4.43		
			1	6.55	0.20		1.31		
			1	6.85	0.20		1.37		
			2	76.01		0.30	45.61		
							263.18	287.26	75600.00
	Basic Rate	268.00							
	Lift Charges for First Floor	3.00							
		271.00							
	Area Weightage @ 6%	16.26							
	Total	287.26							
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum with superplasticiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 Page No. 13/ Item No. 4.11 PWD SR - 2013-14	Cum							
	Columns		12	0.45	0.23	4.00	4.97		
	Front Columns		5	(3.14x0.23) 2		4.00	0.83		
				4					
	Lintel		1	76.10	0.23	0.15	2.63		
	Toilet Walls Ladies		1	2.30	0.23	0.15	0.08		
			1	2.00	0.23	0.15	0.07		
			1	2.40	0.23	0.15	0.08		
			3	1.70	0.23	0.15	0.18		
	For Gents		1	6.00	0.23	0.15	0.21		
			1	3.00	0.23	0.15	0.10		
			1	1.20	0.23	0.15	0.04		
	For Wash Basin		1	2.40	0.23	0.15	0.08		
	Lintel Allround		1	19.40	0.23	0.15	0.67		
			1	22.15	0.23	0.15	0.76		
			4	4.80	0.23	0.15	0.66		
	Beams		2	5.26	0.23	0.45	1.09		
			1	5.86	0.23	0.45	0.61		
	Tie Beam		1	76.01	0.23	0.30	5.24		
	Roof Slab		1	22.15+19.4 0	6.85	0.15	21.35		
				2					
			1	23.34	2.50	0.10	5.84		
							45.48	5588.32	254173.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	5222.00							
	Lift Charges for First Floor	50.00							
		5272.00							
	Area Weightage @ 6%	316.32							
	Total	5588.32							
5	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplasticiser @ 0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 15 / Item No. 4.19 / PWD SR 2013-14	Sqm							
	Windows		4	2.25	0.45		4.05		
			3	2.60	0.60		4.68		
							8.73	409.16	3572.00
	Basic Rate	383.00							
	Lift Charges for First Floor	3.00							
		386.00							
	Area Weightage @ 6%	23.16							
	Total	409.16							
6	KSRB 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT Bars Fe 500 Page No. 19/ Item No. 4.46.2 PWD SR 2013-14	Qtl							
	For Roof, Columns & Beams @ 125 Kg / Cum		1.25	45.48			56.85		
	Chajjas @ 10 Kg / Cum		0.10	8.73			0.87		
							57.73	7312.94	422152.00
	Basic Rate	6899.00							
	Area Weightage @ 6%	413.94							
	Total	7312.94							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 Page No. 32/Item No. 6.17/ PWD SR 2013-14								
		Cum							
	Long Wall		1	19.40	0.23	3.35	14.95		
			1	22.15	0.23	3.35	17.07		
	Short Wal		3	4.80	0.23	3.35	11.10		
	Toilet Walls		1	6.55	0.23	3.35	5.05		
			1	5.30	0.23	3.35	4.08		
			1	1.50	0.23	3.35	1.16		
			1	6.55	0.23	2.20	3.31		
			1	3.40	0.23	2.20	1.72		
	Platform		2	3.00	2.00	0.90	10.80		
	Wash basin		1	2.40	0.60	0.90	1.30		
	Toilet Floatform Gents		1	5.50	0.60	0.60	1.98		
	Toilet Floatform Ladies		1	3.70	0.60	0.60	1.33		
			1	2.50	0.23	2.50	1.44		
	Parapet Wall		1	22.15	0.10	0.60	1.33		
			1	6.32	0.23	0.60	0.87		
			1	6.62	0.23	0.60	0.91		
			1	19.40	0.23	0.60	2.68		
	Deductions						81.07		
	Doors 1		2	1.20	0.23	2.10	1.16		
	Windows		6	1.20	0.23	1.80	2.98		
	Lintel Around		1	19.40	0.23	0.15	0.67		
			1	22.15	0.23	0.15	0.76		
			4	4.80	0.23	0.15	0.66		
			3	4.80	0.23	0.15	0.50		
	Ventilators		2	2.70	0.23	0.60	0.75		
			2	2.30	0.23	0.60	0.63		
							-8.11		
							72.96	5842.72	426256.00
	Basic Rate	5462.00							
	Lift Charges for First Floor	50.00							
		5512.00							
	Area Weightage @ 6%	330.72							
	Total	5842.72							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement moand directions of engineer in charge of the work.conveyance, amnufacturing	Sqm							
			1	22.15+19.4 - 0	6.85		142.31		
				2			142.31	782.28	111325.00
	Basic Rate	735.00							
	Lift Charges for First Floor	3.00							
		738.00							
	Area Weightage @ 6%	44.28							
		782.28							
9	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 123 / Item No. 15.21 / PWD SR -2013-14	Sqm							
			2	6.75	4.80		64.80		
			4	4.80	0.30		5.76		
	Beams		1	17.00	1.50		25.50		
			1	6.10+5.03	5.30+7.20		34.78		
				2	2				
			8	1.50	0.90		10.80		
	Front Beams		1	1.50	0.90		1.35		
			5	3.14x0.23/4		3.30	2.98		
	Front Columns								

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Back		1	19.40		4.88	94.67		
	Sides		1	6.85		4.88	33.43		
			1	6.55		4.88	31.96		
	Front Wall		1	14.19		1.30	18.45		
							178.51		
	Windows		4	1.20		1.80	8.64		
	Ventilators		2	2.70		0.60	3.24		
			2	2.30		0.60	2.76		
							14.64		
							163.87	168.54	27619.00
	Basic Rate	156.00							
	Lift Charges for First Floor	3.00							
		159.00							
	Area Weightage @ 6%	9.54							
	Total	168.54							
13	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33. Page No. 56 / Item No. 9.11 / PWD SR 2013-14	Cum							
	Doors		2x2	2.10	0.15	0.10	0.13		
			2x2	1.50	0.15	0.10	0.09		
	Windows		6x2	2.10	0.10	0.075	0.19		
			6x5	1.20	0.10	0.075	0.27		
							0.68	105458.87	71185.00
	Basic Rate	99487.00							
	Lift Charges for First Floor	2.50							
		99489.50							
	Area Weightage @ 6%	5969.37							
	Total	105458.87							
14	KSRB 9-27.1 : Fixing of door frame in an existing opening including embedding Nos 458.43 frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20 mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per Specification. Page No. 62 / Item No. 9.80 / PWD SR 2013-14	Nos							
	Doors		2				2.00	925.91	1852.00
	Basic Rate	871.00							
	Lift Charges for First Floor	2.50							
		873.50							
	Area Weightage @ 6%	52.41							
	Total	925.91							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 9.5-2: Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures).Specification No.9.34. Page No. 57 / Item No. 9.15 / PWD SR 2013-14	Sqm							
			2	1.05		2.10	4.41	4504.47	19865.00
	Basic Rate	4247.00							
	Lift Charges for First Floor	2.50							
		4249.50							
	Area Weightage @ 6%	254.97							
	Total	4504.47							
16	KSRB 9-19.2: Providing and fixing in position Honne wood half panelled shutters at bottom and half glazed at top for windows shutters with styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick 3mm thick reeded glass for top panels fixed with wooden beading including cost of materials, labour charges, HOM of machineries complete as per specification (excluding cost of fixtures) Specification No Providing an fixing in position teak wood half paneled shutters at bottom and half glazed at top for window sutters with styles and rails of 35mm, thick, 75mm wide in two halves with panels of 25mm thick, 3mm thick reeded glass for top panels fixed with wooden beading including cost of materials, labour charges, HOM of machineries complete as per specifications. (Excluding cost of fixtures) specification No. KBS 9.34, 9.42 Page No. 60 / Item No. 9.57 / PWD SR 2013-14	Sqm							
	W		6	1.80		1.20	12.96	4255.37	55150.00
	Basic Rate	4012.00							
	Lift Charges for First Floor	2.50							
		4014.50							
	Area Weightage @ 6%	240.87							
	Total	4255.37							
17	MS Bars at 0.62Kg/Mtr = 194.40 x 0.62 = 120.53 Kgs	Sqm							
	Windows		6x18	1.80			194.40		
							194.40	38.00	7387.00
18	Providing wall black boards in CM 1:3 two coats of black paint including finishing etc, complete, No. 269/ Item No. 37.30 PWD SR 2013-14	Sqm							
			2	2.60	1.32		6.86	755.78	5188.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	710.00							
	Lift Charges for First Floor	3.00							
		713.00							
	Area Weightage @ 6%	42.78							
	Total	755.78							
19	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2013-14	Cum							
			1	23.34	2.50	0.15	8.75		
			2	6.75	4.80	0.15	9.72		
			1	6.75	5.00	0.15	5.06		
							23.54	4211.38	99115.00
	Basic Rate	3973.00							
	Area Weightage @ 6%	238.38							
	Total	4211.38							
20	KSRB 14.10-1 : Flooring with 25mm to 40mm thick polished Thandur blue stone slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. P.112 / I.14.15 PWD SR - 2013-14.	Sqm							
	Room1 & 2		2	6.75	4.80		64.80		
	Skirting		4	6.75	0.10		2.70		
			4	4.80	0.10		1.92		
	Front		1	14.19	1.50		21.29		
			1	2.60	1.50		3.90		
	Skirting		1	14.90	0.10		1.49		
	Toilet		1	2.40	5.00		12.00		
			1	4.19	1.50		6.29		
			1	5.40	2.20		11.88		
			1	1.50	1.00		1.50		
							127.76	1020.78	130415.00
	Basic Rate	960.00							
	Lift Charges for First Floor	3.00							
		963.00							
	Area Weightage @ 6%	57.78							
	Total	1020.78							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
21	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications P.126 / I. 15.49.1 PWD SR 2013-14	Sqm							
				Qty Vide Item No.9+10			438.14		
							438.14	59.36	26008.00
	Basic Rate	56.00							
	Area Weightage @ 6%	3.36							
	Total	59.36							
22	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thorough brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specification with Primer P.127 / I.15.53.2 PWD SR 2013-14	Cum							
				Qty Vide Item No.12			163.87		
							163.87	78.44	12854.00
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	78.44							
23	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No. 128 / Item No. 15.60.1 / PWD SR 2013-14	Sqm							
	Doors		2x2	1.05		2.10	8.82		
	Windows		6x2	1.80		1.20	25.92		
							34.74	78.44	2725.00
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	78.44							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
24	KSRB 4-5: Providing lath plaster with cement mortar 1:3 5cms thick with 6mm dia mild steel bars at 20 cms c to c both horizontally and vertically fixing chicken mesh for drop chajja, facia, backing to cup boards including cost of all materials, labour, providing and removing form work HOM of machineries, curing, complete as per specifications. Page No. 16 / Item No. 4.27/ PWD SR 2013-14	Sqm							
			1	17.00		0.60	10.20	895.70	9136.00
	Basic Rate	845.00							
	Area Weightage @ 6%	50.70							
	Total	895.70							
25	Providing & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 7mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in charge SOLID PVC DOOR FRAME Page No. 63 / Item No. 9.84 / PWD SR 2013-14	Sqm							
	Toilet Doors		4	0.75		2.10	6.30	545.90	3439.00
	Basic Rate	515.00							
	Area Weightage @ 6%	30.90							
	Total	545.90							
26	Providing & fixing 30mm thick factory made rigid foam prelam panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat moulded prelaminated PVC 'C' Channel of 5mm thick sheet & 30x50mm wide of form styles & 5mm thick & 75mm wide prelaminated PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, sealed to the styles & rails with PVC designer beading on either side & joined together with solvent cement	Sqm							
			4	0.75		2.10	6.30	4142.48	26098.00
	Basic Rate	3908.00							
	Area Weightage @ 6%	234.48							
	Total	4142.48							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
27	KSRB 7.10 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick bottom section weight 0.695 Kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m, shutter outer side 40mmx18mm, 1.25mm, thick, weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; and providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading aluminium section anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenoned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be withand directions of engineer in charge of the work.converyance, amnufacturing painting with 2 coats enamel paint	Sqm							
			2	2.70		0.60	3.24		
			2	2.30		0.60	2.76		
							6.00	3726.96	22362.00
	Basic Rate	3516.00							
	Area Weightage @ 6%	210.96							
	Total	3726.96							
28	KSRB 14.14.2: Providing white glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, complete as per specifications. Specification No. KBS 14.15.2. Page No. 115 / Item No. 14.33 / PWD-SR 2013-14	Sqm							
			6	2.00	1.80		21.60	882.98	19072.00
	Basic Rate	833.00							
	Area Weightage @ 6%	49.98							
	Total	882.98							
Electrical Fitting									

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
25	Groove Cutting : Supplying ... dia 2mm/2.5mm thick heavy gauge PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary KPWD SR 2010-11 (P-2, I-3)	Mtrs							
	32 mm dia 2.5mm thick		1	120.00			120.00	68.00	8160.00
26	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. KPWD SR 2010-11 (P-3, I-6)	Each							
	10"X7"X3" (300X228X76mm)		3				3	68.00	204.00
	8"X6"X3" (300X228X76mm)		4				4	52.00	208.00
27	Supplying and fixing PVC/metal conduit accessories special type Junction Box (I. 5/P. 3) KPWD SR 2010-11	Each							
	32 mm Junction Box		25				25	29.00	725.00
	Deep 32 mm Junction Box		8				8	33.00	264.00
	Fan Box 18 /SWG		8				8	57.00	456.00
28	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet KPWD SR 2010-11 (P.3/I.8)	Each							
	Point Wiring using Class A Materials								
	a) Short point upto 3Mtr from tapping point to out let via switch		5				5.00	175.00	875.00
	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		5				5.00	260.00	1300.00
	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		4				4.00	368.00	1472.00
29	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box KPWD SR 2010-11 (P-7, I-17)	Each							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	1 to 3 Modular		2				2	82.00	164.00
	8 Modular		2				2	175.00	350.00
30	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate KPWD SR 2010-11 (P.8/I.18)	Each							
	6Amps one way.		25				25	96.00	2400.00
	6Amps 3way Socket.		6				6	165.00	990.00
	Stepped Fan Regulator		4				4	520.00	2080.00
31	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluourescent tube KPWD SR 2010-11 (P.16/I.2)								
	Group 'A'	Each	8				8	380.00	3040.00
32	Supplying of Incandescent lamps KPWD SR 2010-11 (P.44/I.22)								
	B.C. 100Watts		5				5	14.00	70.00
33	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2010-11 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard	Each							
	56" Sweep (1400 mm)		4				4	1950.00	7800.00
34	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box KPWD SR 2010-11 (P.9/I.19)	Each							
	Group A		1				1	630.00	630.00
35	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps KPWD SR 2010-11 (P-13, I.2)	No							
			1				1	60.00	60.00
36	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required 5-32 Amps SP KPWD SR 2010-11 (P.34/I.13)	Each							
			1				1	560.00	560.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
37	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc KPWD SR 2010-11 (P.32/I.2)								
	20"x20"x2.5"		1				1	285.00	285.00
38	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete KPWD SR 2010-11 (P.30/I.3)								
	32 Amps		1				1	100.00	100.00
39	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit.. The pit should be filled with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per ISI specification 7.3.3 of Is 732 using 12mm dia nuts, washers and checknuts etc the pipe shall have 16 through holes of 122 mm dia KPWD SR 2010-11 (P.68/I.1)	No							
			1				1	1950.00	1950.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
40	INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phas and 4 single core wires for 3 phase supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two breaks insulators, one at each end of the span with suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes (single core or twin core as the case may be) and this reel insulator shall be fixed to the messenger wire using 2mm (No. 14SWG) GI wire suitably bent and twisted. Separate reel insulated shall be provided for each wire the messenger wire shall be bed-ended on the clamp provided to the departmental pole wide item No. 4 above (Page No. 56 Item No. 5a) KPWD SR 2010-11 Item No. 65 / Page No. 5 c)	Mtr	2	10.00			20.00	45.00	900.00
25	Sub Total								1979711.00
27	Thirty Party Inspection Charges @ 1%								19797.00
29	Miscellaneous Charges	L/S							492.00
								Total	2000000.00

(Rupees Twenty Lakhs Only)

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2013-14.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Zadhav
Assistant Engineer

Pelle
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

D.E. @penn
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
6/9/2014

Technical Sanction for Rs. *20.00* lakh
Administrative
 Approval Accorded for *+*
 It is recorded under head... *P-3055*
 registered as CE No. *7A* Dt: *29.10.14*
 to Conditions contained in enclosed memo
 No. *4* Dt: *29.10.14*
CE